## EXHIBIT 14

### In The Matter Of:

# v. MOTOROLA MOBILITY, LLC

RANDY H. KATZ, Ph.D. - Vol. 1 July 17, 2013

#### MERRILL CORPORATION

LegaLink, Inc.

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Page 30 Page 32 1 A. I did not. 1 turn to Mr. Seely's report. And I want to do this 2 MR. SANDERS: Objection to form. 2 because he's got a nice chart in here, which should make 3 BY MR. ALBERTI: it easy for us to go through some of these terms. And 4 Q. Did you review the file history of the inter again, the chart starts on page 10. And you'll see 5 partes reexamination of '450 patent? there's two terms that are listed next to each other. 6 MR. SANDERS: Objection, form. 6 Well, there's a term on the left-hand side of the chart 7 7 followed by "Plaintiff IV's Proposed Construction," then THE WITNESS: I did. 8 BY MR. ALBERTI: 8 "Defendant Motorola's Proposed Construction." Do you see that? 9 9 Q. Before this case, had you ever heard of Malibu 10 A. I do. 10 Networks? 11 11 Q. And for a couple of these terms, you'll see in 12 12 parens, "See discussion of amendment below" where Q. Had you ever heard of Jacob Jorgensen? 13 13 there's been an amendment. If you take a look, for example, on page 11. 14 14 Q. Have you ever heard of Dr. Jerry Gibson? A. Yes, I see that. 15 15 Q. Okay. So, and we'll, we'll go to the 16 Q. Did you review Dr. Gibson's CV? 16 17 17 amendments when we get there, but I just want to sort of A. I do not recall doing so, actually. I can't 18 18 start in order. recall doing that. First, with the CP -- I'll call it a CPE term, 19 19 Q. Well, I'll ask anyways, but since you didn't 20 "subscriber customer premise equipment stations," do you 20 review his CV, I'm assuming you don't question his 21 credentials in this case. 21 see that? 22 22 A. No, I do not. 23 23 Q. Do you agree with IV's proposed construction Q. Do you know anyone at the UCSB engineering 24 24 in this, for this term? school? 25 A. I do not. 25 A. I do. Page 31 Page 33 1 Q. In particular, what is your problem with IV's Q. Who do you know there? 1 2 A. Herb Kroemer, Nobel Laureate, in the Materials proposed construction? 3 Science department, as well as in Electrical and 3 A. I feel that the use of the term "telephone Computer Engineering. One of my former students, Ben 4 network" is too restrictive. Zhao, is a Computer Science faculty member there. His Q. Other than that, are there any significant wife, Heather Zheng, and several other colleagues, some 6 problems with the construction other than the telephone 6 7 of whom were former students at Berkeley who are now on 7 network issue? 8 the faculty there. 8 A. I think the main, my main focus on, on the 9 Q. Do they have a reputable Electrical meaning of this term is the notion of connecting equipment to a communications network. 10 Engineering/Computer Science department? 10 Q. Do you agree with Motorola's proposed 11 A. They do. 11 12 Q. You reviewed Dr. Gibson's report on issues of 12 construction as listed in this table? 13 validity in this case? 13 A. I do. 14 A. I did. 14 Q. About how many patent cases have you been 15 Q. Are there any new opinions that you arrived to 15 involved with in your career? after reviewing Dr. Gibson's report? 16 A. I would say approximately a dozen. 16 17 17 A. No new opinions. Q. Are you familiar with the principle that a patentee can be his own lexicographer? Q. You also reviewed Mark Seely's report that we 18 18 discussed, true? 19 19 MR. SANDERS: Objection, form. 20 20 A. Yes. THE WITNESS: I'm not an attorney, so I'm not 21 Q. And outside of the issues surrounding claim 21 sure about that. 22 construction, are there any new opinions that you 22 BY MR. ALBERTI: arrived to after reviewing Mr. Seely's report? 23 Q. Are you aware of -- I'll try to restate it. 24 A. No. 24 Are you aware of a principle where if a 25 Q. Let's start with claim construction. So if we 25 patentee defines something in a patent specification 9 (Pages 30 to 33)

Page 72 Page 70 1 THE WITNESS: So let me, let me try and 1 Q. Did you follow that? 2 understand the example that we're considering. Two 2 A. So, so there's no communication possible from different base stations, two different subscribers, 3 one base station to the other in a conflicting 4 within range of both base stations? 4 frequency. 5 BY MR. ALBERTI: 5 Q. No. 6 Q. Yes. Assuming, again, that I'm only going to 6 A. Okay. 7 talk to my AT&T base station and you're only going to 7 Q. In that situation, would you say the base 8 speak to your Verizon base station. So let's, let me 8 stations are sharing wireless bandwidth? 9 first frame, frame the issue this way. 9 A. So I think I still would say that they're 10 sharing wireless bandwidth for the following reason, 10 You would agree that those two base stations, 11 even though they're speaking -- providing different 11 that in the union of the frequencies between the two 12 frequency bands to their respective customers, they are 12 base stations, there is a total capacity for carrying 13 sharing bandwidth, true? information. And one, one base station could transmit 14 A. Sorry. Sharing bandwidth among whom at this at a higher power and, or it could have a greater 15 point? 15 frequency range and so support a larger number of 16 Q. Well, I had asked you before whether you would 16 customers than the other one. consider AT&T and Verizon to be sharing wireless 17 There are ways of slicing and dicing sort of bandwidth even though each has their own assigned 18 the fixed totality of bandwidth that's available in the union of the two base stations. So in that sense, it's 19 frequency bands to provide to their customers, and --19 20 A. Within, within one base station. 20 like a pie that's being sliced up and, you know, you 21 Q. Yes. 21 have half the pie and I have half the pie. Are we not 22 A. I think was the example that we had before. 22 sharing the pie? 23 And, and my answer was that within the totality of 23 Q. And then now let me go to my final capacity, you know, to pump information or voice or 24 hypothetical with this, is if in that same scenario whatever, it is being -- that, that capacity is being where you have two base stations, each with a fixed and 25 Page 71 Page 73 1 shared between the AT&T customers and the Verizon 1 mutually exclusive bandwidth, and we have two cell 2 customers. That, that is what I believe I said. phones speaking to the two different base stations. Are 3 Q. Okay. 3 the two cell phones in that example sharing wireless 4 A. And we're now considering another example with bandwidth? MR. SANDERS: Objection to form. two base stations. But my question was, to understand 5 the scenario that we're talking about, to kind of come THE WITNESS: I have to admit, my mind 6 7 back to a physical principle of radio communication, if wondered a little bit there, so could we go through that 8 I have two base, two base stations that can hear each 8 example again? other and they are both communicating on the same 9 BY MR. ALBERTI: Q. So we have our two base stations, each 10 frequencies, they -- basically, two nearby base stations 10 11 share the ability to encode information into the providing a fixed frequency band that is, that are 11 12 frequency range that they're operating in. And mutually exclusive, okay. We'll say one is AT&T and one 12 13 there's -- if they're both communicating in the same 13 is Verizon. And we have now two cell phones, one 14 frequency at the same time, they will conflict with each 14 speaking to the AT&T base station and one speaking to 15 other. the Verizon base station. In that example, would you 16 So the reason to bring that up is that there say that the two cell phones are sharing wireless 16 17 17 is a fixed capacity that you can encode in the sort of bandwidth? 18 frequency ranges. So I'm a little confused about the 18 A. Again, I would say the answer is yes, because possibility of interference if the base stations are 19 I go back to my analogy with the pie. The pie is 20 20 divided in half, half -- so there's the pie. The pie is close by, as opposed to if they're far apart. 21 the thing being shared. We divide it in half and say Q. Yeah, and I'm sorry, maybe my example wasn't 21 22 specific enough. But I believe in my first example 22 this half is the Verizon side and this is the AT&T side. where we had Verizon and AT&T we agreed that they were 23 And I think, if I understood your example, we're taking 24 speaking on completely separate frequency bands. 24 another slice out of that and saying -- is it Dave? 25 A. Uh-huh. 25 Q. Yes.

19 (Pages 70 to 73)

	NAME II. NATA, I	11.1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	Page 82		Page 84
1	up. It's one of my award papers. Somewhere around	1	span ATM networks, as a concrete example, and that uses
2	2000, I think. Looking in the wrong place. Sorry about	2	something different than packet switching as an
3	that. I can't seem to find it. There we go. Oh.	3	underlying technology. It uses cell switching instead.
4	Actually, yes, this isn't the paper I was	4	So the exclusivity of the use of the term "Internet" is
5	sorry. This isn't the paper I was actually thinking	5	a little bit at dispute in my mind.
6	about, so I'm not sure when I wrote this. I do see that	6	Q. So if you were to change the sentence, the
7	it was based on a presentation I made in September 1997.	7	second sentence in the second paragraph to be more
8	Q. And do you see there's a quote from	8	precise, how would you do that?
9	January 1998 Wired magazine. I believe it's the second	9	A. I would say, "The Internet's Internet protocol
10	quote listed on the page.	10	achieves its robust communication through packet
11	A. I see that.	11	switching and store-and-forward routing."
12	Q. So would it be fair to say that it was at	12	Q. Would you agree that it is not necessary to
13	least in sometime 1998 or later?	13	create a circuit between end points before communicating
14	A. Yes.	14	using the Internet protocol?
15	Q. Okay. So it was, in general, around the time	15	MR. SANDERS: Objection, form.
16	of the '450 patent. Fair?	16	THE WITNESS: I'm sorry. Could you state that
17	A. Yes.	17	just one more time?
18	MR. SANDERS: Objection to form.	18	BY MR. ALBERTI:
19	THE WITNESS: Around generally the time.	19	Q. Sure. Do you agree that it's not necessary to
20	BY MR. ALBERTI:	20	create a circuit between two end points on the Internet
21	Q. Okay.	21	before they can begin communicating with each other?
22	<ol> <li>Given that the time is in dispute.</li> </ol>	22	MR. SANDERS: Objection, form.
23	Q. So if we turn to page 10. We were talking	23	THE WITNESS: At the level of the Internet
24	before about the Internet and communication between end	24	protocol, it is not required that a connection be
25	nodes and the Internet, true?	25	established. It's possible to communicate using a
	Page 83		Page 85
1	A. I'm sorry. Could you repeat that?	1	connectionless approach.
2	Q. Before our break, we were speaking about	2	BY MR. ALBERTI:
3	communicating between end nodes on the Internet.	3	Q. Would you agree that that is different from a
4	A. Yes.	4	circuit-switched protocol?
5	Q. Do you remember that?	5	A. I would say a connectionless approach is
6	A. Yes.	6	different from a connection-oriented approach.
7	Q. So in your section 4.2, where you talk about	7	Q. And circuit switching would be a
8	"Strengths and Weaknesses of Internet Technology," you	8	connection-oriented approach.
9	say, "A key underlying assumption of the Internet is	9	A. Yes.
10	that end nodes are intelligent and have the ability to	10	Q. The next sentence reads, "Information is sent
11	execute the TCP/IP protocol stack." True?	11	in small units, packets, which may be routed differently
12	A. That's what I wrote.	12	from each other, and which may arrive at their
13	Q. And that's a correct statement, right?	13	destination out of order."
14	A. Yes.	14	And would you agree that that is true for a
15	Q. When we were talking about sequencing, I want	15	packet-switching protocol?
16	to direct your attention to the second paragraph, first	16	A. This, of course, is within the contents, in
17	sentence second paragraph, second sentence. It	17	the context of the Internet's IP protocol, which I will
18	reads, "The Internet achieves its robust communications	18	agree is a packet-switching protocol.
19	through packet switching and store-and-forward routing."	19	Q. So you would agree with that statement as it
20	Do you see that?	20	applies to a packet-switching protocol, but not a
21	A. I do.	21	circuit-switching protocol.
22	Q. And when I asked about packet switching, you'd	22	MR. SANDERS: Objection, form.
23	agree that the Internet uses packet-switching protocol	23	THE WITNESS: The issue with circuit switching
2.4	to communicate, true?	24	and out-of-order delivery I think are orthogonal issues.
25	A. Well, for example, the Internet was able to	25	So I think you could have a circuit-switched protocol

22 (Pages 82 to 85)

Page 88 Page 86 1 that could, in principle, deliver packets out of order. 1 switching. So I don't see those -- circuit switched implying 2 A. In the form of ATM. impossible to receive things out of order. 3 O. Yeah. BY MR. ALBERTI: 4 A. I see that, that I did write that. 5 Q. Would you agree, though, that in a 5 Q. Do you agree with that? 6 circuit-switched protocol, the packets would be routed 6 A. I wrote it; I agree with it. along the same circuit, as opposed to being routed 7 Q. If we turn to page 12. You'll see there's a 8 differently from each other, as we have in the Internet 8 section 4.4, "ATM: The Grand Convergence"? 9 9 protocol? A. I see that section. 10 MR. SANDERS: Objection to form. 10 Q. Okay. I want to direct your attention to --11 THE WITNESS: Could you, could you say that 11 A. Would you mind if I read the section before 12 again? I'm sorry. 12 you asked the questions --13 BY MR. ALBERTI: Q. Oh, please do. 13 Q. Would you agree that information sent in a 14 14 A. -- about it? 15 circuit-switched network between two end points would be 15 Q. Please do. 16 routed along the same circuit? 16 A. It is the case that we're looking at a 17 MR. SANDERS: Objection to form. 17 document which is very likely to have been written 15 or 18 THE WITNESS: Routed along the same circuit, 18 more years ago and which I did not review for today's 19 yes. The question is whether the circuit is a physical 19 deposition, so. If you're going to ask questions about 20 circuit or a virtual circuit. 20 it, I think I should read it. And so the questions will 21 BY MR. ALBERTI: 21 be targeted towards section 4.4? 22 22 Q. In the context of ATM, is it a virtual circuit Q. Yes. 23 between two end points that carries information? 23 A. Okay. 24 A. That didn't sound -- I couldn't quite parse 24 Q. Only 4.4. 25 that as a question. 25 A. Okay, great. I won't read the whole 15-page Page 89 Page 87 thing or whatever. 1 Q. In the context of ATM, does communication that 1 2 2 is sent between two end points travel along a virtual Q. Okay. 3 3 MR. SANDERS:: Objection to form. A. It can travel along a virtual circuit. It can THE WITNESS: Okay. 4 4 BY MR. ALBERTI: 5 travel along a switched virtual circuit. It can travel 5 along a permanent virtual circuit, and so on. So it can Q. So under the subheading "Strengths," you 6 write, "One of ATM's key strengths is its virtual 7 travel on multiple kinds of things. In fact, you can 7 implement ATM on top of IP. circuit concept, with call set-up in advance of data 9 Q. So would you call ATM a packet-switching 9 transmission." 10 10 protocol? What do you mean here by "virtual circuit concept"? 11 A. I would. 11 12 Q. Would you call it a circuit-switching 12 A. The idea of a virtual circuit is that we will 13 establish a connection between communicating end points protocol? 14 A. I would. over a sequence of paths that will not be dedicated to MR. SANDERS: Objection to form. 15 that communication but will be shared by other 15 16 BY MR, ALBERTI: 16 contemporaneous communications. So therein lies the 17 Q. Would you call it the unification of packet-17 virtual idea. It appears to the sender that it has a 18 and circuit-switching protocol? dedicated path from sender to receiver and return, but 18 19 A. Is that what I wrote? Would it be a good idea 19 it actually is shared amongst, or elements of that path 20 to read this section before you ask any more questions? 20 can be shared amongst simultaneous communicating 21 I'm sorry. Where, actually, are we? 21 entities. 22 Q. I believe in -- well, starting on page 9 22 O. When you say simultaneous communicating 23 there's a paragraph, the last paragraph, that begins on 23 entities, are you referring to two end points, are 24 that page and carries over to the next page. You refer, 24 25 I believe, to ATM as a unification of packet and circuit 25 A. I'm sorry. Ask your question --

23 (Pages 86 to 89)

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Page 110

1 MR. SANDERS: Objection to form.

THE WITNESS: It's possible to have packet

3 headers that are actually at the end of the packet. I

don't know why they don't call them footers. So I think

the sort of terminological distinction you're making,

6 hard to disagree with.

> Nevertheless, the key aspect is a given level of the network, or shall we say given specification of a protocol, knows, because it's been agreed upon in

advance and standardized, where to look in the protocol

to find the information it needs to act on the delivery 11

12 of the packet.

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13 BY MR. ALBERTI:

14 Q. Is there a limitation as to how large a packet 15 header can be?

16 A. It can't be larger than the packet.

17 Q. Is there a limitation on how large a packet 18 can be?

A. There are technical limitations on how large 19 packets can be. They cannot be of infinite size or, for 20 that matter, a very, very large size. 21

22 Q. When you say "technical limitations," 23 specifically what do you refer to?

A. The way in which the protocols are defined, 25 they will specify a limit to how large the -- if we use Page 112

1 packet that's 1500 bytes. So these things are agreed

upon in advance as to what the upper bound is, as a

3 guideline for effective implementation.

Q. Do you ever have a situation where a packet in an upper layer has a maximum size that is larger than a maximum size of a packet in a lower layer?

A. All the time.

Q. What do you do in that situation?

A. You break up the larger item. You think of it

10 as a molecule. You break up the molecule into smaller

11 constituent atoms. And just as an atom can be broken up

12 electrons, neutrons, and protons, the same thing is true

13 at another level; it can be broken up even more. And at

14 the level of the electron, it can be broken up into

15 quarks or charms or whatever they call it. So it's

16 all -- at every level, the way in which you can get very

large things to be supported by the network is to turn 17

18 it into a sequence of smaller things at an appropriate

19 layer.

Q. You would agree in the situation where you 20 21 have a higher level packet of a large size that has to

get broken up by a lower layer into smaller packets,

that the smaller packets don't necessarily need to be

stored in sequence, true?

25 MR. SANDERS: Objection to form.

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the term "transmission unit," the bundle of data, how big the bundle of data can be.

An example would be in the Ethernet world, it's I believe, something in the range of 1500 bytes, binary characters, long. It's just a spec that says a packet can't be longer than this.

A packet header will be well defined within a protocol. Each one of the fields will be defined. And so, you know, the packet headers are traditionally not of variable length. They're of a fixed length and a well defined pattern to the information that's in them.

But I can't quite remember, are we talking 13 about packet header or packet. But packets cannot be, you know, because of protocol and technical limitations, 15 cannot be of any, any arbitrarily large size. There are limits to how big they can be.

Q. Are those limits based on hardware characteristics of systems that will carry the packets?

19 A. They represent a specification and constraint 20 on the underlying hardware system.

21 So, for example, if we, if we limit a packet 22 to be sent over, let's say Ethernet, to something like 23 1500 bytes, that is important information to

24 implementers to know how big buffers can be, how big -they can't be 1400 bytes because they might receive a

1 THE WITNESS: There's a lot of words that were

Page 113

2 in there, and they didn't map onto my precise 3 understanding of networking technology. So maybe we

4 want to kind of parse that out a little by, piece by

5

14

6 So one clarifying question I have is you said 7 something about higher level packet. Can you be a

8 little bit more precise of what you mean?

9 BY MR. ALBERTI:

10 Q. I believe I asked you a question that at a

11 higher layer, you can have a packet size that can have a

12 certain maximum that is larger than the maximum package 13 size of a lower layer in the stack.

A. Yes. That was an earlier question, yes.

15 Q. So if we have a packet at such a higher layer

that has to get broken up by a lower layer, the lower

layer isn't required to store the packets in the exact

same sequence as it received -- as it broke them up from 18

the higher layer? 19

20 A. Store. There is buffering that occurs, so

21 there is at least storage of part of the higher level

22 thing. I, I guess I'm not quite understanding the

23 distinction that you're, you're, you are drawing here

24 between higher layer protocol or packet, and lower

25 layer. I understand something is bigger, mapped into

29 (Pages 110 to 113)

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Page 122

1 BY MR. ALBERTI:

- 2 Q. I want to move on to the next term, which is 3 on page 18.
- A. Uh-huh. 4
- 5 Q. The term is, "allocating is responsive to at
- least one field in the packet header." Did you discuss 6
  - the amended change of this term before Mr. Seely's
- 8 expert report?
  - A. No.

9

- 10 Q. When did you first become aware of the amended 11 change to this term?
- 12 A. When I reviewed Mr. Seely's report.
- 13 Q. Before you reviewed Mr. Seely's report, did
- 14 you take any issue with Motorola's earlier construction
- 15 of this term?
- 16 A. I did not.
- 17 Q. Are you familiar with the concepts of
- 18 interference and fading in -- we'll wait for the
- 19 ambulance to go by.
- 20 Are you familiar with the terms "interference"
- 21 and "fading" in the field of wireless communications?
- 22 A. I am.

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- 23 Q. How do interference and fading affect wireless
- 24 communications?
- 25 A. Both of them would be what, technically would

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- would get nothing; they add up. And so what typically
- 2 happens is more of the, a weaker signal is heard
- 3 compared to a stronger signal, and it kind of degrades
- it and it makes it more difficult for the receiver to
- extract the information content from that. So that's an 6 example of interference.
  - Q. Is interference a challenge in designing a wireless communication system?
    - A. It is.
  - Q. Can you explain what fading is.
- 11 A. Fading is also an aspect of the physical
- 12 reality of wireless communication that the power of the
- 13 signal represented, for example, in its strength or
- 14 amplitude of that wave form sort of gets degraded or
- 15 smaller the longer the distance from the transmitter.
- 16 And it goes by a so-called inverse square law. So if
- 17 you go one step, the signal is half its strength; if you
- go two steps, it's a quarter of its strength; if you go 18 19
- three steps, it's an eighth of its strength, and so on.
- 20 So if you are close, if A and B are close, it's not much
- 21 of an effect; if A and B are far away, it may not be
- 22 possible for B to extract information from the analog
- 23 carrier that's carrying it sent from A. 24
  - Q. What is multipath fading?
  - A. Multipath fading is kind of a combination of

- 1 be called "impairments" to the wireless channel. They 2
- would be things that make it more difficult to
- 3 successfully traverse a wireless link with data. 4
  - Q. Can you explain interference and how that would impair a wireless channel?
- 6 A. So two -- let's, let's kind of set this up as
- 7 kind of a little bit of an example.
- 8 Suppose that A wishes to communicate over
- 9 wireless channel to B, and C wishes to communicate over
- wireless channel with D. If they are using, for
- 11 example, the same frequencies but sending different
- 12 information, the information being sent, based on the
- 13 spatial proximity -- you know, the geography matters in
- 14 this kind of stuff, how close they are, in the space
- 15 between buildings and, you know, many, many
- 16 considerations of the physical world -- the signal from
- 17 C heading to D could also be in part heard by B
- 18 listening to A.
- 19 So remember we were talking before about
- 20 analog carrier waves. So what happens when at point B,
- 21 receiving a communication from A, where the wave is on
- 22 an upslope, it's simultaneously receiving a signal of,
- 23 let's say, equal strength from C intended for D but
- 24 heard at B, where it's a valley. If they were really of
- 25 equal strength and completely synchronized in time you

interference and this fading phenomenon that we just

Page 125

- 2 talked about. In the real world, signals are, are
- 3 bouncing off of surfaces and building sides and going
- 4 down streets. And so signal A can send its, its analog
- 5 carrier to B modulated with the digital information that
- 6 it wants to send. And that wave form can also bounce
- 7
- off a building by a different path, and a little bit
- 8 later than the main path, arrive at the receiver. So
- 9 this business about bouncing and reflecting kind of
- 10 delays the signal so that an earlier version of the
- 11 signal arrives at kind of like a later point in time,
- 12 interfering with the signal arriving at that later point
- 13 in time. And that's multipath.
- 14 Q. Are fading and multipath fading challenges in
- 15 designing a wireless system?
  - A. They are.
- 17 Q. Let's turn now to your invalidity report,
- 18 Exhibit 1.

16

25

- 19 A. Could I put away Exhibit 4 at this point --
- 20 Q. Yes, you can put away Exhibit 4 for the time 21 being.
  - A. Okay.
- 22 23
- Q. I'd like to first direct your attention to
- 24 page 10, paragraph 27 of your invalidity report.
  - A. Page 10, which paragraph?

32 (Pages 122 to 125)

Page 126 Page 128 1 Q. I'm sorry. Yes, paragraph 27. 1 A. It does. 2 A. Twenty-seven. 2 Q. Are you familiar with the principle of 3 Q. For shorthand, I believe all the experts in 3 inherency? 4 this case have thus far labeled the elements of claim 1 4 A. No. element A and element B. Element A begins "coupling one 5 Q. Do you understand that for anticipation, you or more subscriber customer premise equipment (CPE) 6 can point to things that are expressly disclosed and 7 stations," and element B begins, "allocating said that there may be things that you consider inherently 8 wireless bandwidth and system resources." And you've 8 disclosed? listed elements at 1-A and 1-B in paragraph 27. Do you 9 A. I'm sorry. Could you repeat that? 10 see that? 10 Q. In rendering your anticipation --11 A. I do. 11 A. Anticipation. Q. For ease of reference, is it okay if we're 12 12 Q. -- opinion, did you point to anything that was 13 going to talk about the first limitation of claim 1 13 expressly disclosed as support for meeting claim 14 we'll call it 1-A, and the second we'll call 1-B? 14 element 1-A or 1-B? 15 A. I'm okay with that. 15 A. I believe that I did in each one of these 16 Q. Now, on page 9 and then carried over on 16 references. 17 page 10, you have summarized your invalidity opinions 17 Q. Are you familiar with a principle where 18 under the "Summary of Opinion" section 3. Do you see 18 something may not be expressly disclosed but it may be 19 that? 19 inherently disclosed? 20 A. I do. 20 A. Maybe if you explain that a little bit more or 21 Q. So I want to first start with your 21 give me an example, I can agree to that. I'm not anticipation opinions, which appear summarized in familiar -- I'm not recollecting the legal terminology 23 paragraph 25, subsection (d). Do you see that? 23 that you're currently using. 24 A. I do. 24 Q. In order -- well, actually, I think it might 25 Q. Is it correct that for anticipation, you have 25 be in your report. So let's --Page 127 Page 129 identified three references that in your opinion 1 A. I know. 2 anticipate some or more of the asserted claims of the 2 Q. -- take a look. 3 '450 patent? 3 A. There is a section in there, legal principles. 4 A. Was -- I'm sorry, was -- it didn't sound like 4 So we're talking about anticipation. 5 a question. But I may have missed the . . . 5 Q. Right. So if you start at paragraph 18, if 6 Q. The preamble. The preamble was, "Is it you look at the last sentence on page 5 of that 7 correct." 7 paragraph, and if you read that to yourself, and then 8 A. Oh, okay. 8 I'll ask you a question. Q. That for anticipation, you have identified 9 A. Okay. I understand, I understand this, this three references that in your opinion anticipate some or 10 sentence and was not aware that it was called the 11 more of the asserted claims of the '450 patent. 11 principle of inherency or, or -- if that was the term 12 A. Yes. 12 that you had used. 13 Q. Those three references, the first one is SWAN, 13 O. If you look on to the next sentence, it says, 14 the second one is Sylvain, and the third one is the '417 14 "I understand that a prior art reference inherently 15 application, correct? 15 discloses a claim limitation if the limitation is 16 A. Correct. 16 necessarily present in the reference." 17 Q. In addition to your anticipation opinions, in A. Yes. 17 18 paragraph 25, subsection (e), you have listed a 18 Q. So do you understand -- let me state this 19 collection of obviousness type references. Do you see 19 differently. 20 20 How do you understand that principle to, to 21 A. I do. 21 apply? 22 Q. And does the bullet point list provide an 22 A. That the, the reference has to have the 23 accurate summary, specifically the bullet point list in 23 elements of the claim language disclosed in it, and it 24 paragraph 25, subsection (e), of your obviousness must be in the reference; or it can be inferred as 25 opinions concerning the claims of the '450 patent? 25 necessarily having to be in that reference because of

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